

IN THE CLAIMS:

Listing Of Claims:

1. (Previously presented) A method of managing telecommunications parameters in a telecommunications system which comprises nodes of at least two different wireless telecommunications networks and a terminal which is arranged to establish a wireless data transmission connection to said nodes comprising the steps of:

connecting said nodes of at least two different wireless telecommunications networks to a fixed network which comprises a server configured to store services and telecommunications parameters supported by the nodes of said telecommunications networks, said terminal making a service request through one of said nodes to said server; and

transmitting to the terminal the telecommunications parameters of the node providing the service according to the request.

2. (Previously presented) A method as claimed in claim 1 further comprising transmitting the service request made by the terminal to said server by program means, transmitting the services and the telecommunications parameters provided by said nodes to said server by program means, and transmitting the telecommunications parameters of the node providing the service according to said service request from said server to said terminal by program means.

3. (Previously presented) A method as claimed in claim 1 or 2, further comprising establishing a connection from said terminal to said node by means of said telecommunications parameters.

4. (Previously presented) A method as claimed in claim 1 wherein a method includes the further step of :

transmitting from said terminal to the server network-specific service definitions which compromise defined connection quality parameters for each service, and

storing said network-specific service definitions in said server.

5. (Previously presented) A method as claimed in claim 4, further comprising checking the telecommunications parameters of the node providing the service according to the service request of the terminal from the network-specific service definitions, and

transmitting from said server the telecommunications parameters of said node in response to the service request made by the terminal only comprising substantially the service type.

6. (Currently amended) A method as claimed in claim 1 wherein the terminal configures itself by program to ~~the radio~~ a radio interface by means of said telecommunication parameters.

7. (Currently amended) A method as claimed in claim 1, wherein the terminal receives from said server a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, the terminal downloads from said second server over an Internet protocol connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to ~~the~~ a radio interface of the desired new wireless telecommunications network.

8. (Previously presented) A method as claimed in claim 1, wherein that said telecommunications parameters contain the limit values of the connection quality parameters supported by the node.

9. (Previously presented) A method as claimed in claim 1, wherein the connection quality negotiation protocol software of the terminal is configured to operate according to said telecommunications parameters.

10. (Previously presented) A method as claimed in claim 1, wherein the connection quality negotiation protocol software of the terminal is configured to operate according to said

telecommunications parameters.

11. (Previously presented) A method as claimed in claim 1, wherein a connection request sent by the terminal to the node during connection establishment is formed according to said telecommunications parameters.

12. (Previously presented) A method as claimed in claim 1, wherein communication between the terminal and the server and preferably between the nodes and the server is based on a data transmission protocol independent of said wireless telecommunications networks.

13. (Previously presented) A method as claimed in claim 1, wherein the user initiates the service request and preferably defines the requested service or the telecommunications parameters in the user interface of the terminal.

14. (Previously presented) A method as claimed in claim 1, wherein on the basis of the information received from the server, information on the available telecommunications networks, services, telecommunications parameters and/or connection quality parameters is shown on the user interface of the terminal.

15. (Previously presented) A method as claimed in claim 1, wherein the connection quality negotiation between the terminal and the node is performed using a universal negotiation protocol.

16. (Previously presented) A method as claimed in claim 1, wherein the service request sent by the terminal also defines the location of the terminal.

17. (Previously presented) A telecommunications system which comprises nodes of at least two different wireless telecommunications networks and a terminal which is arranged to establish a wireless data transmission connection to said nodes, wherein said nodes of at least two different telecommunications networks are connected to a fixed network which

comprises a server for storing services and telecommunications parameters supported by said nodes of the telecommunications networks, said terminal is arranged to make a service request through one of said nodes to said server, and said server is arranged to transmit to the terminal the telecommunications parameters of the node providing the service according to the service request.

18. (Previously presented) A telecommunications system as claimed in claim 17, wherein said fixed network comprises program means for transmitting the service request made by the terminal to said server, program means for transmitting the services and telecommunications parameters transmitted by said nodes to said server, and program means for transmitting the telecommunications parameters of said node providing the service according to the service request from said server to said terminal.

19. (Previously presented) A telecommunications system as claimed in claim 17 or 18, wherein said terminal is arranged to establish a connection to said node by means of said telecommunications parameters.

20. (Previously presented) A telecommunications system as claimed in claim 17, wherein said terminal is arranged to transmit to the server network-specific service definitions which comprise defined connection quality parameters for each service, and said server is arranged to store said network-specific service definitions.

21. (Previously presented) A telecommunications system as claimed in claim 20, wherein said server is arranged to check the telecommunications parameters of the node providing the service according to the service request of the terminal from the stored network-specific service definitions, and to transmit the telecommunications parameters of said node in response to the service request made by the terminal only comprising substantially the service type.

22. (Previously presented) A system as claimed in claim 17, wherein said telecommunications parameters contain the limit values of the connection quality parameters

supported by the node.

23. (Previously presented) A system as claimed in claim 22, wherein the terminal configures itself to operate within said quality parameters when initiating connection establishment to the node in question.

24. (Previously presented) A system as claimed in claim 17, wherein the connection quality negotiation protocol software of the terminal configures itself to operate according to said telecommunications parameters.

25. (Previously presented) A system as claimed in claim 17, wherein the terminal (IT) selects automatically or assisted by the user a suitable node on the basis of the received telecommunications parameters.

26. (Previously presented) A system as claimed in claim 17, wherein communication between the terminal and the server, and preferably between the nodes and the server, is based on a data transmission protocol independent of said wireless telecommunications networks.

27. (Previously presented) A system as claimed in claim 17, wherein the connection quality negotiation between the terminal and the node is based on a universal negotiation protocol.

28. (Currently amended) A system as claimed in claim 17, wherein said server is arranged to provide the terminal a connection or connection data to a second server which comprises software modules and parameter values of the desired new wireless telecommunications network, the terminal is arranged to download from said second server over the Internet protocol connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to ~~the~~ a radio interface of the new desired wireless telecommunications network.

29. (Previously presented) A system as claimed in claim 17, wherein the service request sent by the terminal also defines the location of the terminal.

30. (Previously presented) A server which is connected to at least two different wireless networks whose nodes provide wireless data transmission services for wireless terminals, wherein the server is arranged to store data and telecommunications parameters of the services supported by said nodes of the telecommunications networks, the server is responsive to a service request sent by the terminal for transmitting the telecommunications parameters of at least one node providing the service or services according to the service request, the terminal being able to establish a connection to said node on the basis of the parameters.

31. (Previously presented) A server as claimed in claim 30, wherein the server is arranged to communicate with said nodes to collect said service data and telecommunications parameters.

32. (Previously presented) A server as claimed in claim 30, wherein the server collects said service data and telecommunications parameters by means of registrations made by the nodes to the server.

33. (Previously presented) A server as claimed in claim 30, 31 or 32, wherein communication between the terminal and the server and preferably between the nodes and the server is based on a data transmission protocol independent of said wireless telecommunications networks.

34. (Currently amended) A server as claimed in claim 30, wherein said server is arranged to provide to the terminal a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, which the terminal downloads over the Internet protocol connection established through the old wireless telecommunications network to configure itself to ~~the~~ a radio interface

of the desired new wireless telecommunication network.

35. (Previously presented) A server as claimed in claim 30, wherein the service request sent by the terminal also defines the location of the terminal.

36. (Previously presented) A terminal capable of operating in two or more wireless networks, wherein the terminal is arranged to transmit a service request to a server which stores service data and telecommunications parameters supported by nodes of said at least two telecommunications networks, the terminal is arranged to configure itself and/or establish a connection to one of said nodes on the basis of the telecommunications parameters received from said server.

37. (Previously presented) A terminal as claimed in claim 36, wherein said telecommunications parameters contain the limit values of connection quality parameters supported by the node.

38. (Previously presented) A terminal as claimed in claim 37 or 38, wherein the terminal configures itself to operate within said quality parameters when initiating connection establishment to the node in question.

39. (Previously presented) A terminal as claimed in claim 36, wherein a connection quality negotiation protocol software of the terminal configures itself to operate according to said telecommunications parameters.

40. (Previously presented) A terminal as claimed in claim 36, wherein the terminal selects a suitable node automatically on the basis of the received telecommunications parameters.

41. (Previously presented) A terminal as claimed in claim 36, wherein communication between the terminal and the server is based on a data transmission protocol independent of said

wireless telecommunications networks.

42. (Previously presented) A terminal as claimed in claim 36, wherein the terminal comprises a user interface in which the user initiates a service request and preferably defines the requested service or telecommunications parameters.

43. (Previously presented) A terminal as claimed in claim 36, wherein the terminal comprises a user interface in which the terminal, on the basis of the data received from the server, displays to the user the information on the available telecommunications networks, services, telecommunications parameters and/or connection quality parameters.

44. (Previously presented) A terminal as claimed in claim 43, wherein the terminal configures itself and establishes a connection to a node accepted by the user.

45. (Previously presented) A terminal as claimed in claim 36, wherein connection quality negotiation between the terminal and the node is based on a universal negotiation protocol.

46. (Currently amended) A terminal as claimed in claim 36, wherein the terminal receives from said server a connection or connection data to a second server which contains software modules and parameter values of the desired new wireless telecommunications network, and the terminal is arranged to download from said second server over the Internet protocol connection established through the old wireless telecommunications network configuration software modules and parameter values with which the terminal configures itself to ~~the~~ a radio interface of the new desired wireless telecommunications network.

47. (Previously presented) A terminal as claimed in claim 36, wherein the service request sent by the terminal also defines the location of the terminal.

48. (Currently amended) An apparatus comprising a server of a wireless

telecommunications network, wherein the server contains software modules and parameter values of the wireless telecommunications network, the server provides to a wireless terminal over an Internet protocol connection established through a second wireless telecommunications network the possibility to download configuration software modules and parameter values with which the terminal configures itself to ~~the~~ a radio interface of the wireless telecommunications network.

49. (Previously presented) An apparatus as claimed in claim 48, wherein the apparatus is located in a node of the wireless telecommunications network.